

ABSTRACT OF THE DISCLOSURE

In one aspect of the invention, an OFDM receiver for receiving and demodulating OFDM signal comprises an automatic gain adjuster for adjusting the level of OFDM signal; a demodulator for demodulating a level-adjusted signal outputted from the automatic gain adjuster; a detector for detecting guard intervals contained in the OFDM signal; and a controller for controlling the automatic gain adjuster within the periods of guard intervals detected by the detector. In another aspect of the invention, an OFDM receiver includes a detector for detecting a level change of an OFDM signal and an automatic gain controller for adjusting the level of the OFDM signal in accordance with a signal level detected by the detector. The receiver further comprises: a controller for determining an actual signal receiving condition in accordance with a change in the signal level detected by the detector, and for setting gain control conditions of the automatic gain controller in accordance with a result of determination of an actual signal receiving condition.